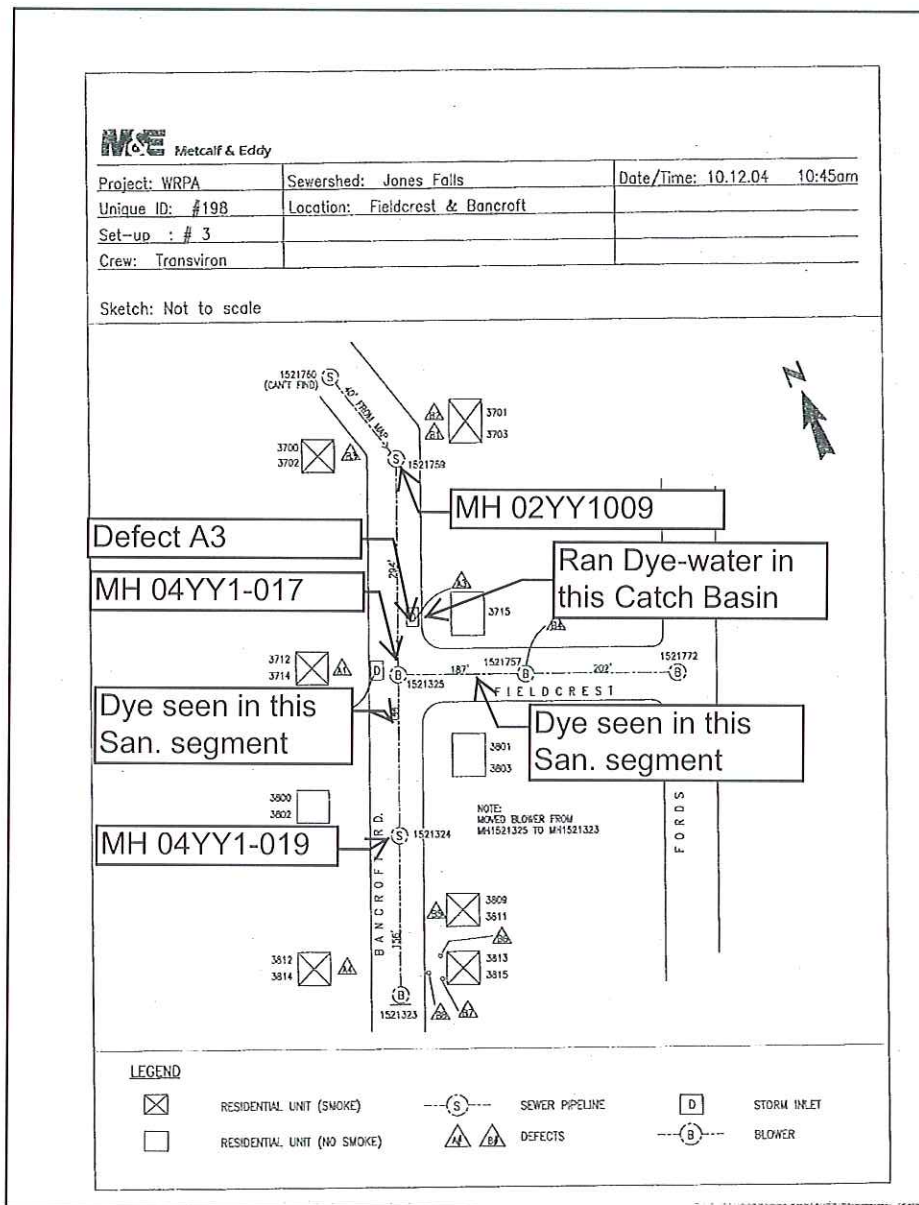




## Smoke and Dye-Water Observation Summary

### Western Run Pilot Project - Baltimore Maryland

#### FIELD SKETCH



Sketch No: 198

#### Filename Path:

X:\Baltimore City\Western Run Pilot Area - Data Files\Smoke Testing\Pictures\Sketches\198.tif

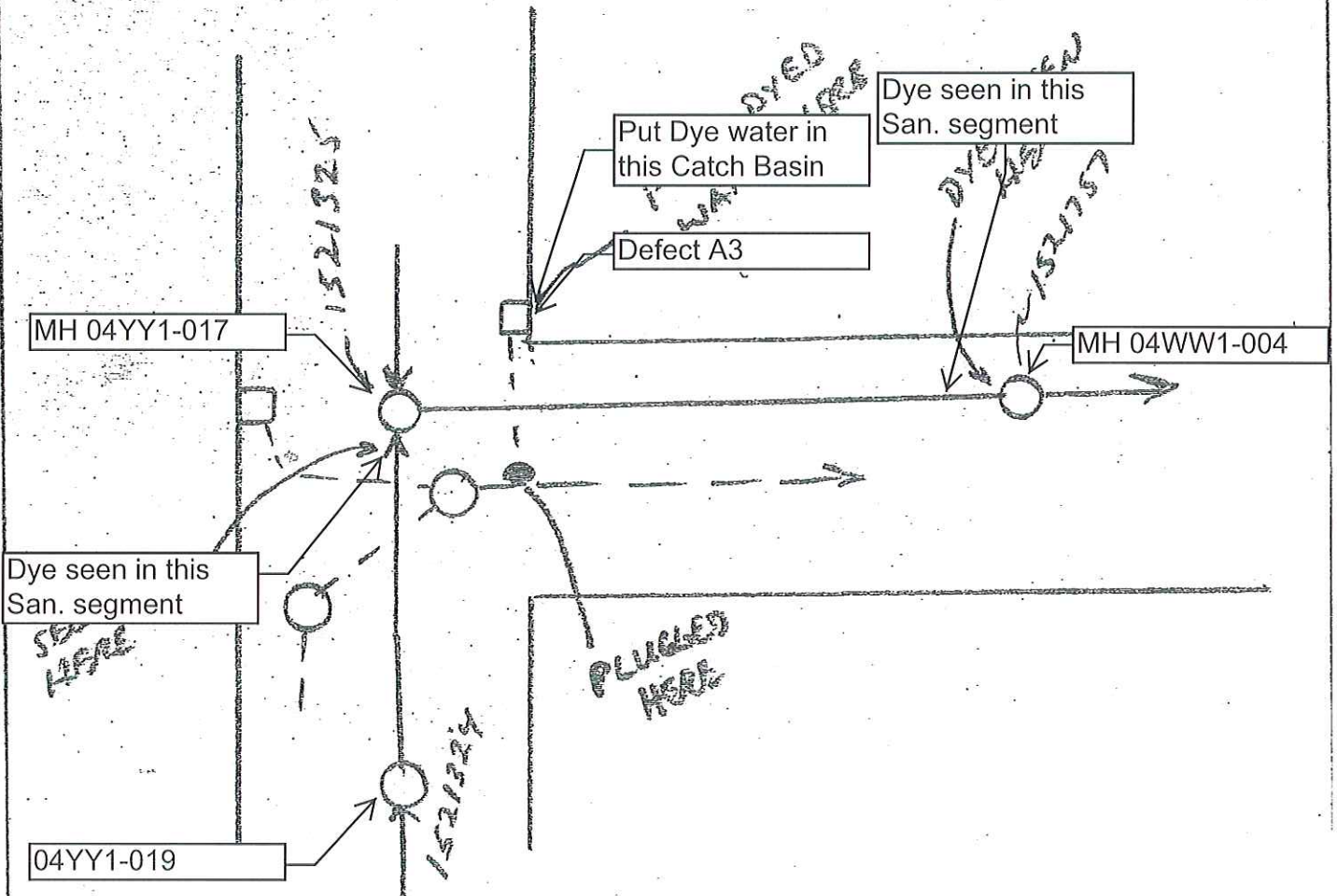
Image Status: Image found and displayed.

NOTE: Sanitary sewer alignments and connectivity in the Western Run GIS have been revised following smoke testing to reflect updated information from various sources and may no longer match the field sketches shown.

# DYE TESTING FORM

Sketch (NTS)  
Dye Test 198

Show North Arrow



RESULT CODES	SOURCE TYPE CODES			
1. POSITIVE	1. MAIN SEWER	5. DOWN SPOUT	9. STAIRWELL DRAI	13. STORM DRAIN
2. NEGATIVE	2. SERVICE LINE	6. DWNSTPT CONN.	10. FOUNDATION DRAIN	14. CATCH BASIN
3. CANNOT TEST	3. TRANSITION JOIN	7. AREA DRAIN	11. BUILDING INTERIOR	15. STORM MH
	4. CLEAN OUT	8. DRIVEWAY DRAIN	12. MH FRAME/SEAL	16. STORM DITCH

Additional Comments:

SAW DYE IN TWO LINES

1521325 → 1521757 + 1521324 → 1521325

## INSPECTION REPORT

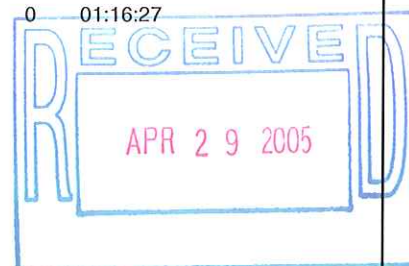
DATE: 03/22/2005	WORK ORDER:	WEATHER: SUNNY, DRY	OPERATOR: J.A.M.	SECTION NR: 1	SECTION NAME:
PRESENT:	VEHICLE: TV 175	CAMERA: PAN/TILT	PRESET: 9	CLEANED: NO	RATE: 2370

STREET: FIELDCREST RD. 198 A3	MAP #1: 1	MH: 1521325
CITY: BALTIMORE	MAP #2:	MH: 1521757
LOCALE: SMALL RESIDENTIAL STREET	TAPE #: JAM 1	TV'D LGTH: 47.19 ft

INSPECT REASON: OTHER	PIPE SIZE: 8 in
SECTION TYPE: WASTEWATER	MATERIAL: VCP JT LGTH:
AREA: 01-WR27	LINING: NO RELINING
RSRVD:	

REMARK: DYE TEST 198 A3

1:125	DIST	OBSERVATION	RATE	VCR #	PH
	0.00	inspection begins at upstream manhole, 1521325	0	01:07:12	
	0.40	M.H. INFILTRATION		01:17:03	81a
	3.00	Infiltration Running at joint at 03 o'clock	3	01:08:17	68a
	6.00	roots light, from 12 to 12 o'clock	1	01:09:04	69a
	6.00	Infiltration Dripping at joint at 09 o'clock to 12 o'clock	1	01:09:04	70a
	10.46	Infiltration Running at joint at 03 o'clock, 9 o'clock, and 12 o'clock	3	01:09:48	71a, b
	13.58	roots medium, from 12 to 12 o'clock	2	01:10:27	72a
	16.80	Infiltration Seeping at joint at 04 o'clock	2	01:11:27	73a
	19.52	Infiltration Dripping at joint at 01 o'clock	1	01:12:01	74a
	25.96	Infiltration Running at joint at 10 o'clock	3	01:12:57	75a
	28.88	roots heavy, from 12 to 12 o'clock	3	01:13:40	76a, b
	31.99	roots light, from 12 to 12 o'clock	1	01:14:24	77a
	38.03	roots light, at 02 o'clock	1	01:15:21	78a
	47.19	inspection abandoned, NO MORE INFILTRATION SEEN.	0	01:16:27	





## INSPECTION IMAGES

CITY:	STREET:	DATE:	SECTION NR:	SECTION NAME:
BALTIMORE	FIELDCREST RD. 198 A3	03/22/2005	1	



IMAGE: 81a, TAPE #: JAM 1, 01:17:03  
0.4FT, M.H. INFILTRATION



IMAGE: 68a, TAPE #: JAM 1, 01:08:17  
3FT, Infiltration Running at joint at 03 o'clock



IMAGE: 69a, TAPE #: JAM 1, 01:09:04  
6FT, roots light, from 12 to 12 o'clock



IMAGE: 70a, TAPE #: JAM 1, 01:09:04  
6FT, Infiltration Dripping at joint at 09 o'clock to 12 o'clock

## INSPECTION IMAGES

CITY: BALTIMORE	STREET: FIELDCREST RD. 198 A3	DATE: 03/22/2005	SECTION NR: 1	SECTION NAME:
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IMAGE: 71a, TAPE #: JAM 1, 01:09:48  
10.46FT, Infiltration Running at joint at 03 o'clock, 9 o'clock, and 12 o'clock



IMAGE: 71b, TAPE #: JAM 1, 01:09:48  
10.46FT, Infiltration Running at joint at 03 o'clock, 9 o'clock, and 12 o'clock



IMAGE: 72a, TAPE #: JAM 1, 01:10:27  
13.58FT, roots medium, from 12 to 12 o'clock



IMAGE: 73a, TAPE #: JAM 1, 01:11:27  
16.8FT, Infiltration Seeping at joint at 04 o'clock



## INSPECTION IMAGES

CITY: BALTIMORE	STREET: FIELDCREST RD. 198 A3	DATE: 03/22/2005	SECTION NR: 1	SECTION NAME:
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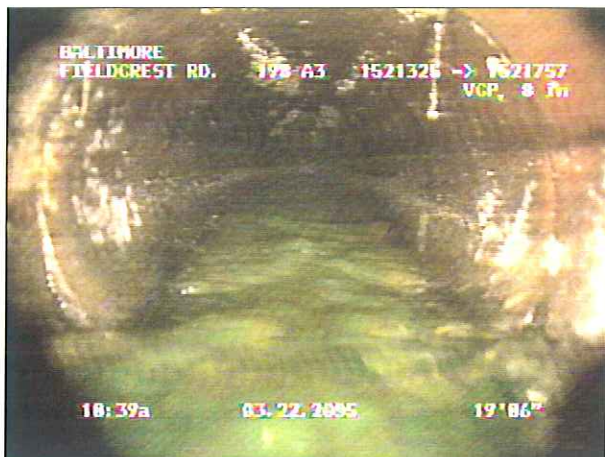


IMAGE: 74a, TAPE #: JAM 1, 01:12:01  
19.52FT, Infiltration Dripping at joint at 01 o'clock



IMAGE: 75a, TAPE #: JAM 1, 01:12:57  
25.96FT, Infiltration Running at joint at 10 o'clock



IMAGE: 76a, TAPE #: JAM 1, 01:13:40  
28.88FT, roots heavy, from 12 to 12 o'clock



IMAGE: 76b, TAPE #: JAM 1, 01:13:40  
28.88FT, roots heavy, from 12 to 12 o'clock

## INSPECTION IMAGES

CITY: BALTIMORE	STREET: FIELDCREST RD. 198 A3	DATE: 03/22/2005	SECTION NR: 1	SECTION NAME:
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IMAGE: 77a, TAPE #: JAM 1, 01:14:24  
31.99FT, roots light, from 12 to 12 o'clock



IMAGE: 78a, TAPE #: JAM 1, 01:15:21  
38.03FT, roots light, at 02 o'clock



Savin Engineers, P.C.  
3 Campus Drive  
Pleasantville, NY 10570  
Tel: (914) 769-3200, Fax: (914) 747-6686

## INSPECTION REPORT

DATE: 03/22/2005	WORK ORDER:	WEATHER: SUNNY, DRY	OPERATOR: J.A.M.	SECTION NR: 2	SECTION NAME:
PRESENT:	VEHICLE: TV 175	CAMERA: PAN/TILT	PRESET: 9	CLEANED: NO	RATE: 1460

STREET: FIELDCREST RD. 198 A3	MAP #1: 1	MH: 1521325
CITY: BALTIMORE	MAP #2:	MH: 1521324
LOCALE: SMALL RESIDENTIAL STREET	TAPE #: JAM 1	TV'D LGTH: 7.04 ft

INSPECT REASON: OTHER	PIPE SIZE: 8 in
SECTION TYPE: WASTEWATER	MATERIAL: VCP JT LGTH:
AREA: 01-WR27	LINING: NO RELINING
	RSRVD:

REMARK: DYE TEST 198 A3

1:25	DIST	OBSERVATION	RATE	VCR #	PH
	0.00	inspection begins at downstream manhole, 1521325	0	01:17:18	
	0.50	Infiltration Running at joint at 08 o'clock	3	01:17:52	82a
	3.00	roots heavy, at 09 o'clock	3	01:18:11	83a
	6.00	service connection with roots heavy at 02 o'clock	3	01:18:50	84a, b
	7.00	roots heavy, from 09 to 11 o'clock	3	01:19:31	85a
	7.00	Infiltration Dripping at joint at 11 o'clock TO 12 o'clock	1	01:19:31	86a
	7.04	camera blocked, inspection abandoned, roots	0	01:22:04	87a, b



## INSPECTION IMAGES

CITY:	STREET:	DATE:	SECTION NR:	SECTION NAME:
BALTIMORE	FIELDCREST RD. 198 A3	03/22/2005	2	



IMAGE: 82a, TAPE #: JAM 1, 01:17:52  
0.5FT, Infiltration Running at joint at 08 o'clock



IMAGE: 83a, TAPE #: JAM 1, 01:18:11  
3FT, roots heavy, at 09 o'clock



IMAGE: 84a, TAPE #: JAM 1, 01:18:50  
6FT, service connection with roots heavy at 02 o'clock



IMAGE: 84b, TAPE #: JAM 1, 01:18:50  
6FT, service connection with roots heavy at 02 o'clock

## INSPECTION IMAGES

CITY: BALTIMORE	STREET: FIELDCREST RD. 198 A3	DATE: 03/22/2005	SECTION NR: 2	SECTION NAME:
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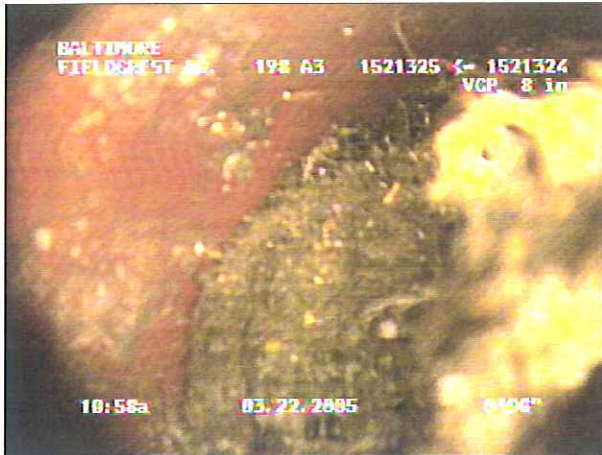


IMAGE: 85a, TAPE #: JAM 1, 01:19:31  
7FT, roots heavy, from 09 to 11 o'clock



IMAGE: 86a, TAPE #: JAM 1, 01:19:31  
7FT, Infiltration Dripping at joint at 11 o'clock TO 12 o'clock



IMAGE: 87a, TAPE #: JAM 1, 01:22:04  
7.04FT, camera blocked, inspection abandoned, roots



IMAGE: 87b, TAPE #: JAM 1, 01:22:04  
7.04FT, camera blocked, inspection abandoned, roots



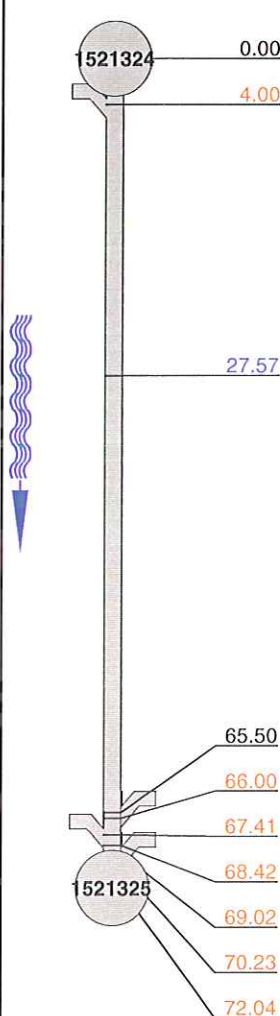
## INSPECTION REPORT

DATE: 03/22/2005	WORK ORDER:	WEATHER: SUNNY, DRY	OPERATOR: J.A.M.	SECTION NR: 3	SECTION NAME:
PRESENT:	VEHICLE: TV 175	CAMERA: PAN/TILT	PRESET: 9	CLEANED: NO	RATE: 2630

STREET: FIELDCREST RD. 198 A3	MAP #1: 1	MH: 1521324
CITY: BALTIMORE	MAP #2:	MH: 1521325
LOCALE: SMALL RESIDENTIAL STREET	TAPE #: JAM 1	TV'D LGTH: 72.04 ft

INSPECT REASON: OTHER	PIPE SIZE: 8 in
SECTION TYPE: WASTEWATER	MATERIAL: VCP JT LGTH:
AREA: 01-WR27	LINING: NO RELINING
RSRVD:	

REMARK: TEST 198 A3

1:200	DIST	OBSERVATION	RATE	VCR #	PH
	0.00	inspection begins at upstream manhole	0	01:23:33	
	4.00	service connection with roots heavy at 03 o'clock	3	01:23:14	88a, b
	27.57 S1	roots medium, START	2	01:25:41	90a
	65.50	service connection at 09 o'clock	0	01:27:38	
	66.00	roots heavy, from 12 to 12 o'clock	3	01:27:59	93a
	67.41	service connection with roots heavy at 03 o'clock	3	01:28:21	94a
	68.42	roots heavy, from 12 to 12 o'clock	3	01:28:47	95a
	69.02	service connection with roots heavy at 09 o'clock	3	01:29:09	96a, b
	70.23	roots heavy, from 12 to 12 o'clock	3	01:29:36	97a, b
	72.04	roots heavy, from 12 to 12 o'clock	3	01:30:57	98a

## INSPECTION IMAGES

CITY: BALTIMORE	STREET: FIELDCREST RD. 198 A3	DATE: 03/22/2005	SECTION NR: 3	SECTION NAME:
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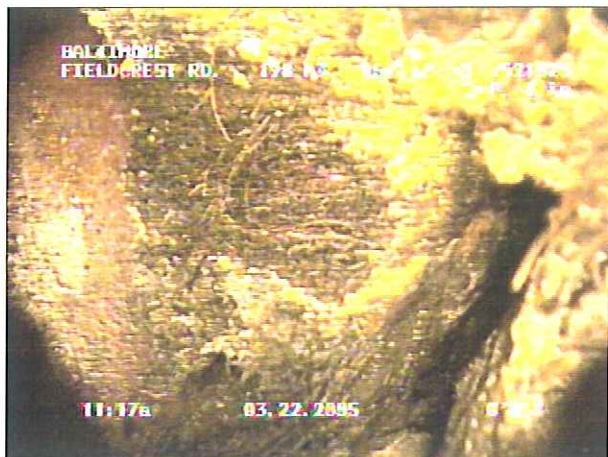


IMAGE: 88a, TAPE #: JAM 1, 01:23:14  
4FT, service connection with roots heavy at 03 o'clock



IMAGE: 88b, TAPE #: JAM 1, 01:23:14  
4FT, service connection with roots heavy at 03 o'clock



IMAGE: 90a, TAPE #: JAM 1, 01:25:41  
27.57FT, roots medium, START

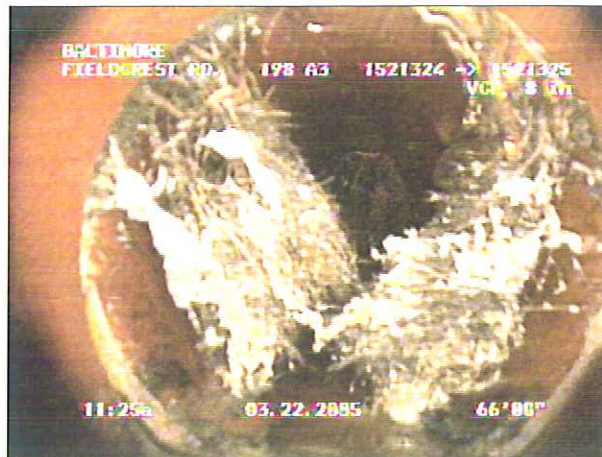


IMAGE: 93a, TAPE #: JAM 1, 01:27:59  
66FT, roots heavy, from 12 to 12 o'clock



## INSPECTION IMAGES

CITY: BALTIMORE	STREET: FIELDCREST RD. 198 A3	DATE: 03/22/2005	SECTION NR: 3	SECTION NAME:
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IMAGE: 94a, TAPE #: JAM 1, 01:28:21  
67.41FT, service connection with roots heavy at 03 o'clock



IMAGE: 95a, TAPE #: JAM 1, 01:28:47  
68.42FT, roots heavy, from 12 to 12 o'clock

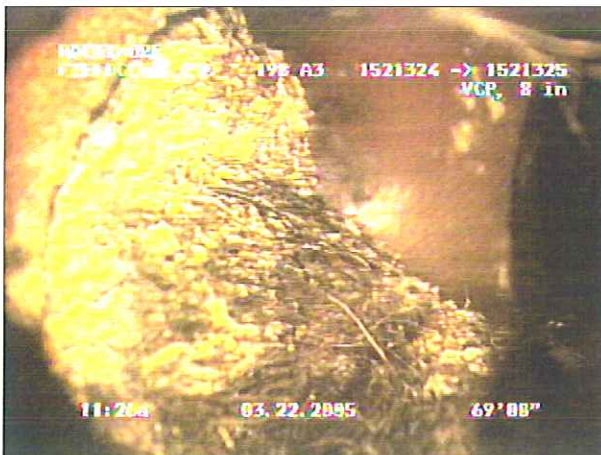


IMAGE: 96a, TAPE #: JAM 1, 01:29:09  
69.02FT, service connection with roots heavy at 09 o'clock



IMAGE: 96b, TAPE #: JAM 1, 01:29:09  
69.02FT, service connection with roots heavy at 09 o'clock



## INSPECTION IMAGES

CITY:	STREET:	DATE:	SECTION NR:	SECTION NAME:
BALTIMORE	FIELDCREST RD. 198 A3	03/22/2005	3	



IMAGE: 97a, TAPE #: JAM 1, 01:29:36  
70.23FT, roots heavy, from 12 to 12 o'clock



IMAGE: 97b, TAPE #: JAM 1, 01:29:36  
70.23FT, roots heavy, from 12 to 12 o'clock



IMAGE: 98a, TAPE #: JAM 1, 01:30:57  
72.04FT, roots heavy, from 12 to 12 o'clock



IMAGE: 91a, TAPE #: JAM 1, 01:30:57  
73FT, camera blocked, inspection abandoned, TOO MANY ROOTS